

云南堇菜属新种*

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摘要: 记述了云南产堇菜属 3 新种, 鸡足山堇菜, 淡黄堇菜, 宾川堇菜。

关键词: 堇菜属; 新种; 云南

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New Species of *Viola* from Yunnan

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Abstract: Three new species of the genus *Viola* are described from Yunnan, China. They are *Viola jizushanensis*; *V. subdelavayi*; *V. binchuanensis*.

Key words: *Viola*; New species; Yunnan

鸡足山堇菜 新种 图 1: 1-7

Viola jizushanensis S. H. Huang sp. nov.

Species haec habitu *V. rockianae* W. Beck. affinis, sed a qua foliis minoribus, basi leviter cordatis divaricatis, subtus dense retiformi-striatis. Floribus minoribus, calcaribus petalorum inferiorum brevibus, calcaribus staminum inferiorum brevicornulatis, incurvis, bene differt.

Herba perennis, 10-25 cm alta. Rhizoma breve, radicibus nigri-brunneis fibrosis numerosis. Caulis gracilis, fasciculatus, parce 2-3-foliatus, inferne efoliatus. Folia basalia majora, cordata vel reniformes, 8-10 mm longa, 12-15 mm lata, apice obtusa vel acuta, basi leviter cordata, divaricata, margine parce crenata, crenis apice glandulis, supra viridia, albo-maculata et breviter hirsuta, subtus viridula, dense retiformi-striata, parce maculata, nervis palmatis 5-6, nervulis inconspicuis; petiolus 4-5(-7) cm longus; folia caulina minora, petiolis brevioribus; stipula obovato-oblonga, circ. 1.5 mm longa, 1 mm lata, apice acuta, margine repanda, extra dense retiformi-striata, intus pilosula. Flores flavi, ex axillis foliorum superiorum prodientes; pedicelli graciles, filiformes, 1.5-2.5 cm longi, glabri vel parce pilosi, ad medium bibracteolati; bracteolae lineares; sepala linearia, circ. 3 mm longa, 1 mm lata, glabra, apice acuta, basi appendicibus brevibus, subtruncatis; petala obovato-oblonga, margine crispa, superiora 6 mm longa, 2-2.5 mm lata, apice obtusa, basi attenuata, lateralia 6.5 mm longa, 3 mm lata, apice rotundata, basi attenuata, intus supra basin ebarbata, 3-4-purpureo-striata, inferiora obovato-spathulata, 7 mm longa, 2.5 mm lata, apice rotundata, calcaribus gibbosis, circ. 1.5 mm longo, 1 mm lato, ad extremum rotundato; antherae 1 mm

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图1 1~7. 鸡足山堇菜 1. 植株; 2. 萼片; 3. 上瓣; 4. 侧瓣; 5. 下瓣; 6. 带距雄蕊; 7. 雌蕊; 8~14. 淡黄堇菜 8. 植株; 9. 萼片; 10. 上瓣; 11. 侧瓣; 12. 下瓣; 13. 带距雄蕊; 14. 雌蕊; 15~22. 宾川堇菜 15. 植株; 16~17. 萼片; 18. 上瓣; 19. 侧瓣; 20. 下瓣; 21. 带距雄蕊; 22. 雌蕊。(吴锡麟绘)

Fig. 1-7. *Viola jizushanensis* S. H. Huang, 1. Plant; 2. Sepal; 3. Superior petal; 4. Lateral petal; 5. Inferior petal; 6. Calcarate stamen; 7. Gynoecium; 8-14. *Viola subdelavayi* S. H. Huang, 8. Plant; 9. Sepal; 10. Superior petal; 11. Lateral petal; 12. Inferior petal; 13. Calcarate stamen; 14. Gynoecium; 15-22. *Viola binchuanensis* S. H. Huang, 15. Plant; 16-17. Sepal; 18. Superior petal; 19. Lateral petal; 20. Inferior petal; 21. Calcarate stamen; 22. Gynoecium. (Drawn by Wu Xi-lin)

longae, appendicibus (projecturis connectivorum) deltoideis, calcaribus (nectaribus) staminum inferiorum brevicornutis, circ. 0.5 mm longis, ad extremum leviter incurvis; ovarium ovoideum, glabrum; stylus clavatus, basi leviter geniculatus, versus apicem sensim spissescens; stigma bilobatum, lobis oblique ascendentibus, poro stigmatis leviter ascendenti.

Yunnan (云南): Binchuan (宾川), Jizushan (鸡足山), Jindingsi (金顶寺), alt. 2 900 m, in forest, 1987-07-06, Bao Shi-ying (包士英) 206 (Holotypus in KUN).

本种近圆叶小堇菜 (*V. rockiana* W. Beck.), 但叶更小, 基部稍心形叉开, 叶背面有密集网状条纹。花较小, 下花瓣距短, 下方雄蕊距短角状, 下弯而异。

淡黄堇菜 新种 图 1: 8~14

Viola subdelavayi S. H. Huang sp. nov.

Species haec habitu *V. delavayi* Franch. affinis, sed a qua foliis anguste ovato-deltoideis, margine grosse crenatis. Floribus flavidis, calcaribus staminum inferiorum breviter deltoideis, circ. 0.5 mm longis, stigma capitatis, bilobatis, lobis rotundatis strictis bene differt.

Herba perennis. Rhizoma breve, dense radicibus fibrosis nigro-brunneis numerosis. Caulis simplex erectus, 10-20 cm altus, gracilis, glaber. Folia basalia caducua. Folia caulina anguste ovato-deltoidea, 1.2-2 cm longa, basi 0.8-1 cm lata, apice acuminata, basi leviter cordata vel truncata, margine grosse crenata vel irregulare dentata, supra intense viridia, subtus glauca, alveolata, utrinque glabra; petiolus 1-1.5 cm longus, glaber; stipula chartacea, oblique ovato-deltoidea, vel ovato-oblonga, 5-7 mm longa, 2-5 mm lata, margine grosse dentata, glabra. Flores flavidi, ex axillis foliorum superiorum prodientes; pedicelli 2-2.5 cm longi, graciles, glabri, prope apicem bracteolati 2; bracteolae lineares; sepala viridia, linearia vel lineari-lanceolata, leviter inaequalia, inferne leviter latera, glabra, 3-3.5 mm longa, 0.6-1 mm lata, apice acuminata, basi appendicibus valde brevibus, truncatis; petala superiora obovato-spathulata, circ. 1 cm longa, superne 5 mm lata, apice rotundata, inferne attenuata, basi 1 mm lata, lateralia leviter breviora, intus supra basin ebarbata, inferiora late obovato-spathulata, 9 mm longa, superne 4 mm lata, inferne attenuata, basi 1 mm lata, calcaribus gibbosis, 1.5 mm longo, ad extremum obtuso; antherae circ. 1 mm longae, appendicibus deltoideis, circ. 0.5 mm longis, calcaribus staminum inferiorum brevi-deltoideis, 0.5 mm longis; ovarium ovoideum, glabrum; stylus clavatus, ovario breviora, inferne gracilis, leviter incurvus; stigma capitatum, bilobatum, lobis rotundatis, strictis, antice rostellatum. Capsulae immaturae.

Yunnan (云南): Binchuan (宾川), Jizushan (鸡足山), Jindingsi (金顶寺) alt. 2 500 m, in forest, 1987-07-06, Bao Shi-ying (包士英) 264 (Holotypus in KUN); ibid. Zhushengsi (祝圣寺) alt. 2 300 m, in forest, 1987-07-03, Bao Shi-ying (包士英) 90 (KUN).

本种近灰叶堇菜 (*V. delavayi* Franch.), 但本种叶狭卵状三角形, 边缘具粗圆齿。花淡黄色, 下方雄蕊距短三角形, 长约 0.5 mm, 柱头头状二裂, 裂片圆形直立而异。

宾川堇菜 新种 图 1: 15-22

Viola binchuanensis S. H. Huang sp. nov.

Species haec habitu *V. moupinensis* Franch. affinis, sed a qua plantis minoribus, floribus minoribus, albis, calcaribus patalorum inferiorum gibbosis; calcaribus staminum inferiorum longideltoideis, horizontalibus, 1.5-2 mm longis, ad extremum acuminatis bene differt.

Herba perennis, acaulis. Planta 5-10 cm alta. Rhizoma breve, radicibus fibrosis numerosis. Folia basalia late ovata vel ovato-deltoidea, 1.8-2.2 cm longa, 1.3-2.2 cm lata, apice leviter acuta vel obtusa, basi cordata, margine crenata, supra viridia, parce puberula, subtus viridula, glabra, punctato-glandulosa; petiolus 2-4 cm longus,

anguste alatus ; stipula liberata , lanceolata , vel anguste ovata , 4 – 5 mm longa , 1.5 – 2 mm lata , apice acuminata , margine parce fimbriato-dentata . Flores albi ; pedicelli 4 – 5 cm longi , glabri , leviter foliis longioribus , prope medium bracteolati 2 ; bracteolae oblongae , 5 – 6 mm longae , 1.5 mm latae , apice obtusae , glabrae , virides ; sepala elliptica , vel oblonga , viridia , inferiora 2 leviter latiora , 4 – 5 mm longa , 2 – 2.5 mm lata , apice leviter acuta , basi appendicibus brevissimis , circ. 0.5 mm longis , obtusis ; petala superiora obovata vel suborbicularia , 7 mm longa , 4 mm lata , apice rotundata , basi attenuata , circ. 1 mm lata , glabra , lateralia obovato-oblonga , 7 mm longa , superne 3.5 mm lata , inferne attenuata , intus supra basin ebarbata , inferiora obovato-spathulata , cum calcaribus 9.5 – 10 mm longa , apice leviter emarginata , calcaribus crasso gibboso , 4.5 mm longo , 3.5 mm diam. , ad extremum obtuso ; antherae 1.5 mm longae ; calcaribus staminum inferiorum longideltoideis , horizontalibus , 1.5 – 2 mm longis , ad extremum acuminatis ; ovarium ovoideum , glabrum ; stylus clavatus , basi leviter geniculatus , versus apicem sensim spissescens ; stigma utroque latere et post leviter crasso-marginatum , antice rostellatum . Capsulae ellipticae , circ. 5.5 mm longae , 4 mm diam.

Yunnan(云南): Binchuan(宾川), Jizushan(鸡足山) alt. 1 900 m , in forest , Li Heng *et al.* (李恒等) 417(Holotypus in KUN).

本种近 *V. moupinensis* Franch. , 但本种植株较小 , 花较小 , 白色 , 下花瓣距短 , 浅囊状 , 下方雄蕊距长三角形 , 水平伸出 , 长 1.5 ~ 2 mm , 先端渐尖易区别。

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云南马唐属一新变种*

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A New Variety of *Digitaria* from Yunnan

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Key words : *Digitaria* ; *Digitaria jubata* var. *brevigluma* ; New variety

关键词 : 马唐属 ; 短颖棒毛马唐 ; 新变种

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短颖棒毛马唐 新变种

Digitaria jubata (Griseb.) Hearard var. *brevigluma* H. Peng , var. nov.

A typo gluma superiore brevi , circa 1/2 parte spiculae aequante , aneura vel 1-neura differt.

Yunnan (云南): Luquan Xian (禄劝县), Sayingpan (撒营盘), Minglehe (民乐河), grass slope by riverside , alt. 2 140 m , 2002 – 10 – 02 , Li Rong-Chun (李荣春) *et al.* 0204636(Holotype KUN , Isotype NAS).

本变种与原变种的区别在于小穗第二颖短小 , 仅达小穗的一半 , 无脉或仅具 1 脉。

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